DISTRIBUTION STANDARD SYSTEM
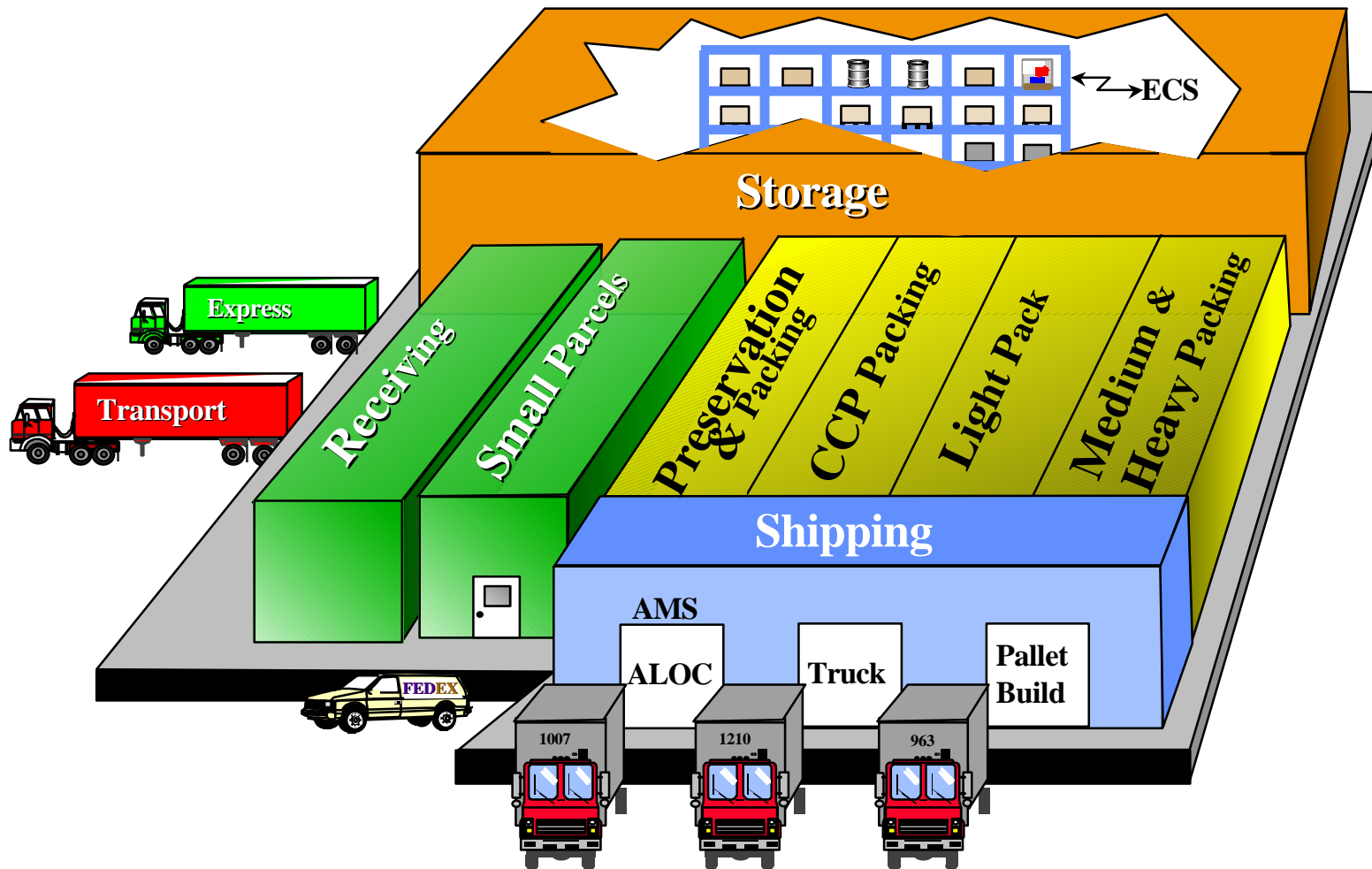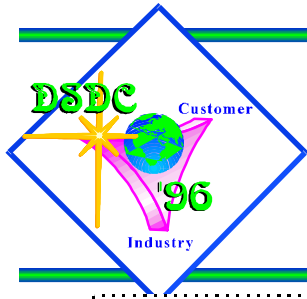
Presented By: Kent Van Leeuwen
DSDC-MD
(801) 399-7518

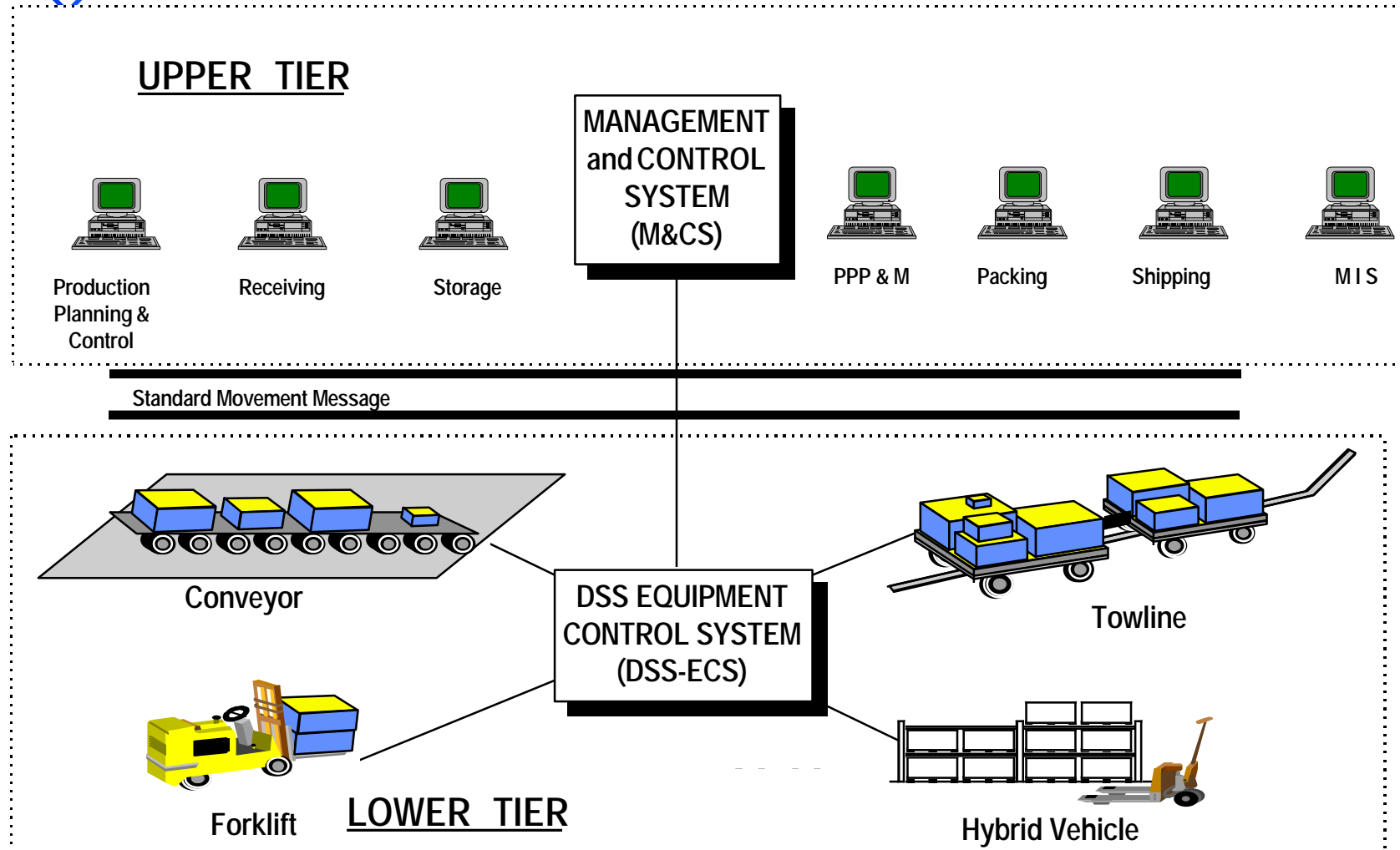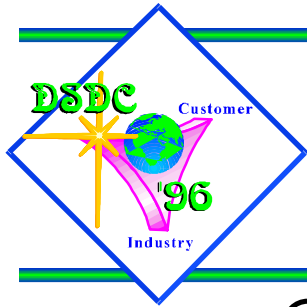# DSS Distribution Functions

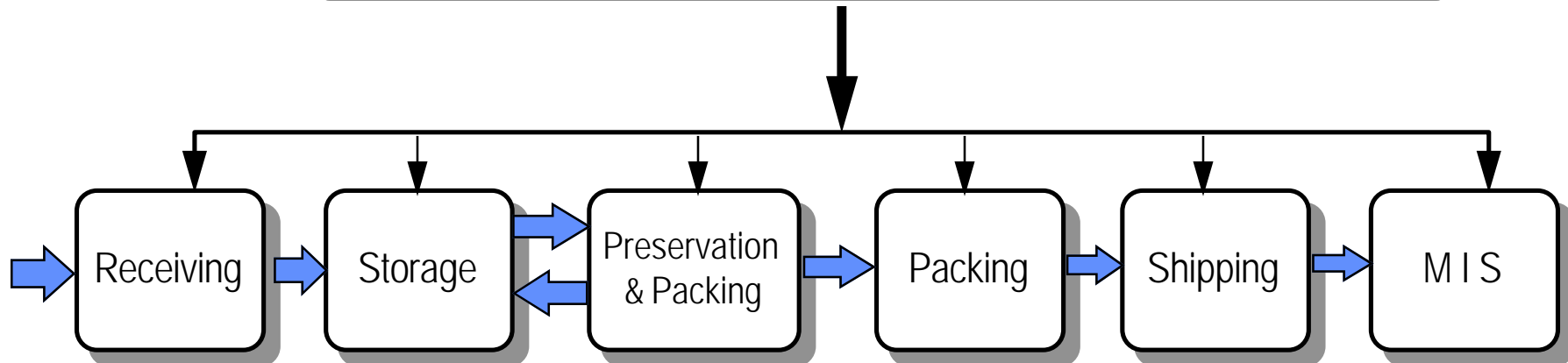# Pictorial View of DSS

Defense Distribution Functions

Production Planning & Control

| Receiving | → | Storage | ⇄ | Preservation & Packing | → | Packing | → | Shipping | → | M I S |

Support Functions

Production Planning & Control

Recei ...   ... ervation   Shipping   MIS
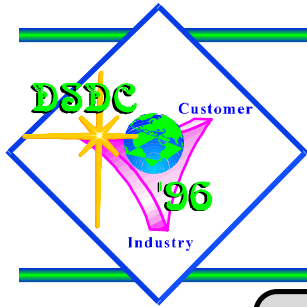
Production Planning and Control

- Workload Planning
    - Workload to capacity
    - Workload banking
- MRO Processing
    - Validate release instructions
    - Plan shipment mode and unit
    - Plan Transportation
- Workload release
    - Work area assignments
    - Production control
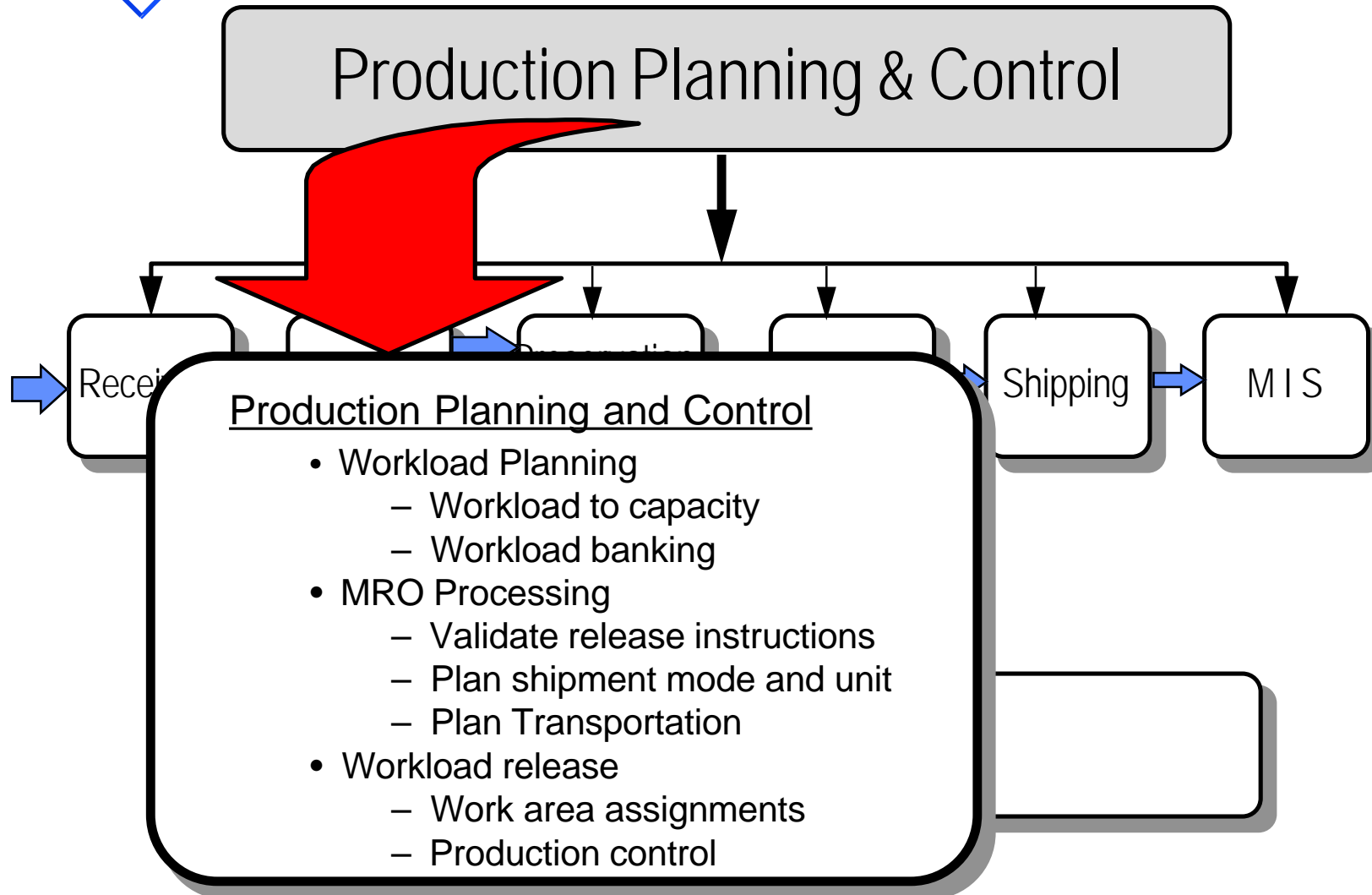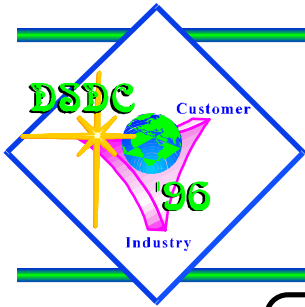
Receiving Process

Production Planning & Control

Receiving → Storage ⇄ Preservation & P...

Receiving

- Receipt Control & Verification
  - Assign Receipt Control Number
  - Unload / validate shipping containers
  - Unpack / validate line items
- Receipt Processing
  - Record item, owner, storage data
  - Identify / perform tests, inspections, acceptance
  - Route to next process
- Induction to storage
  - Assign to storage location
  - Route to next process
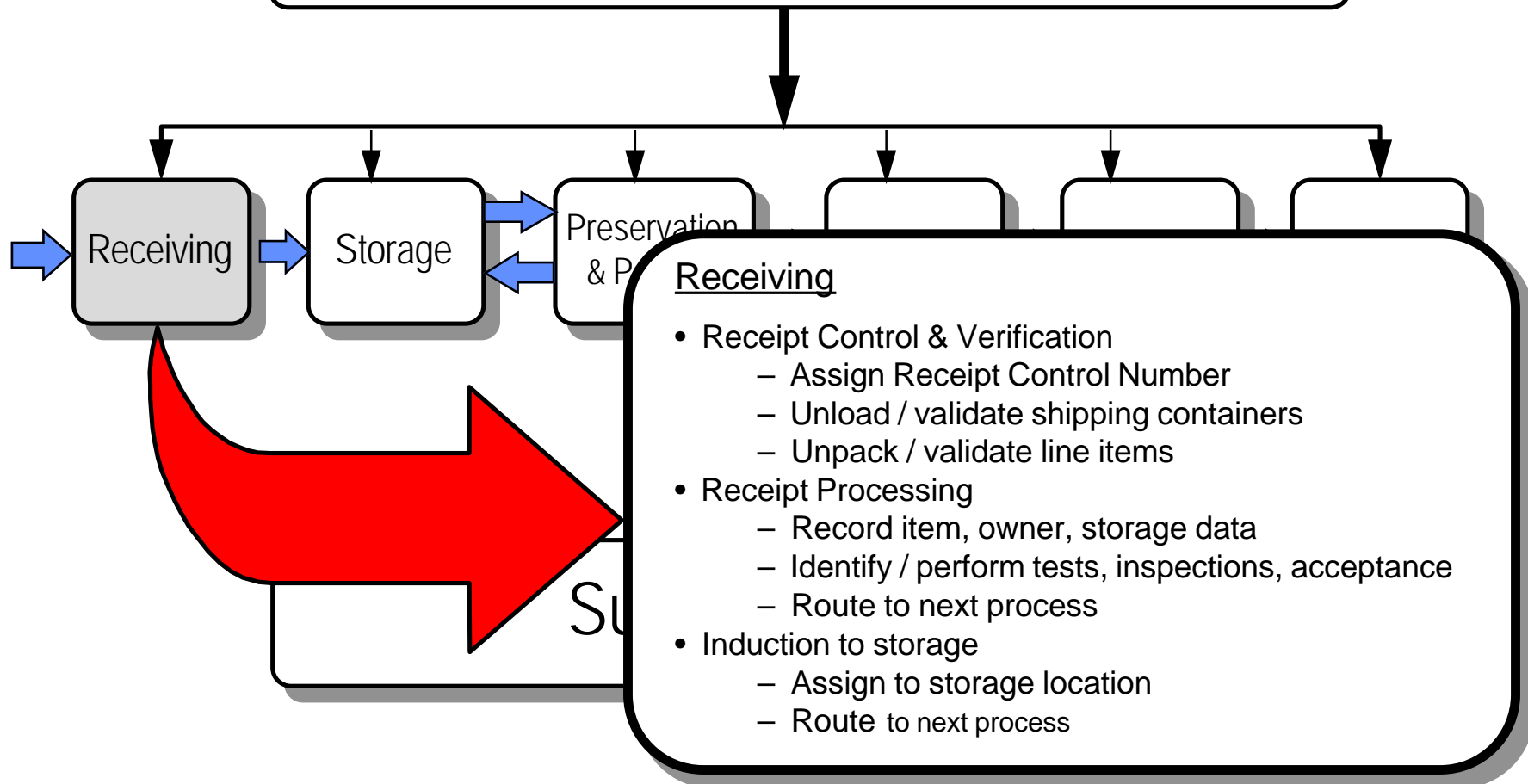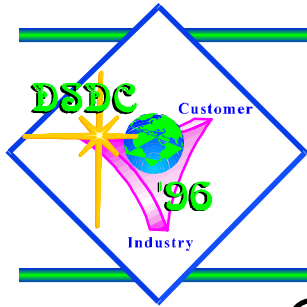
Storage Process

Production Planning & Control

Receiving → Storage → Preservation & P...

Storage

- Storage Operations
  - Stow
  - Pick
  - Rewarehouse
- Inventory
  - Physical inventory
  - Location survey
  - Inventory / denial research & adjustment
- Care of Supplies in Storage
  - Cyclical inspection
  - Special inspection
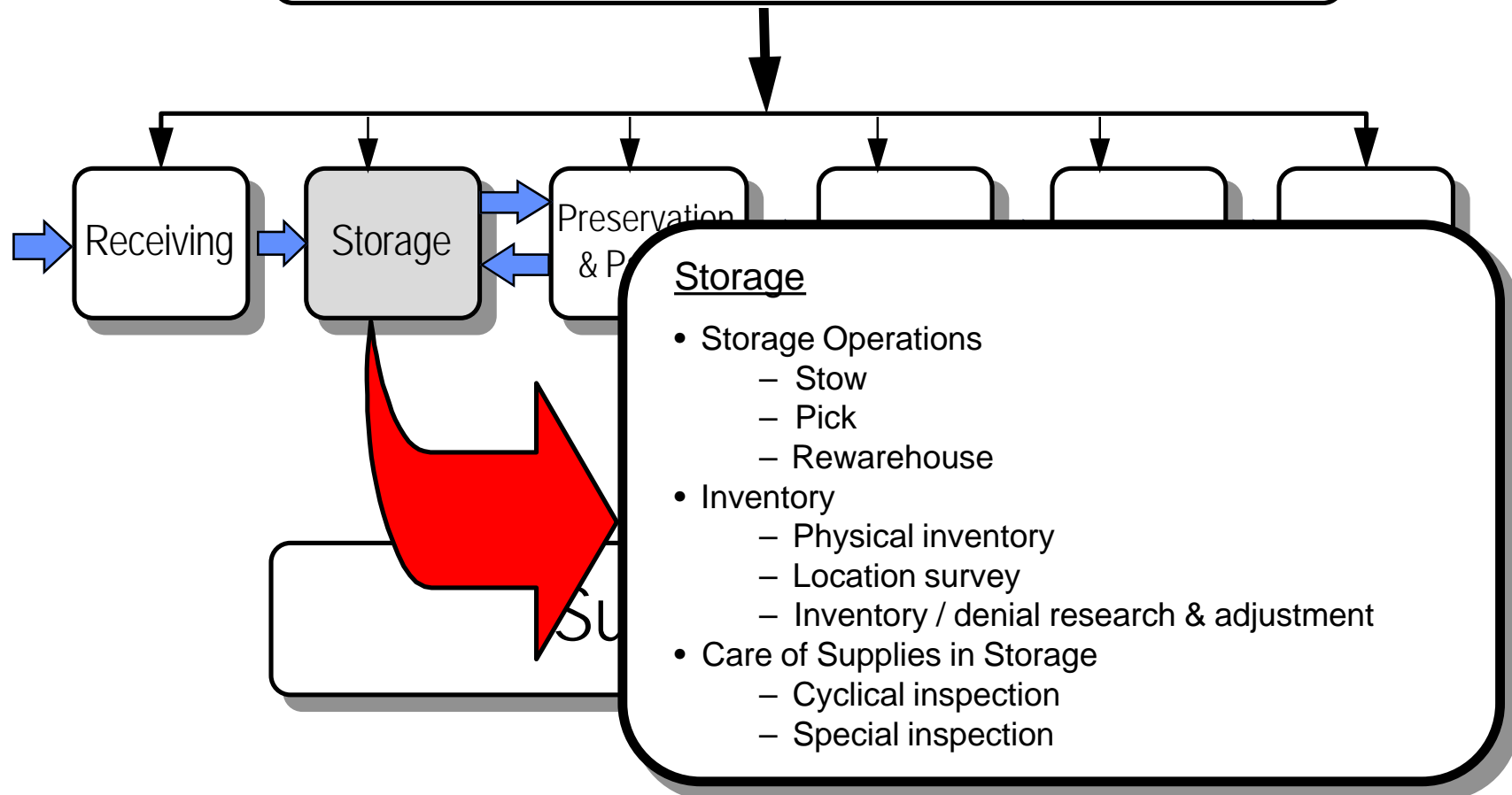
Preservation, Packaging, Packing & Marking Process

Production Planning & Control

Receiving → Storage → **Preservation & Packing** → Packing → Shipping → M I S
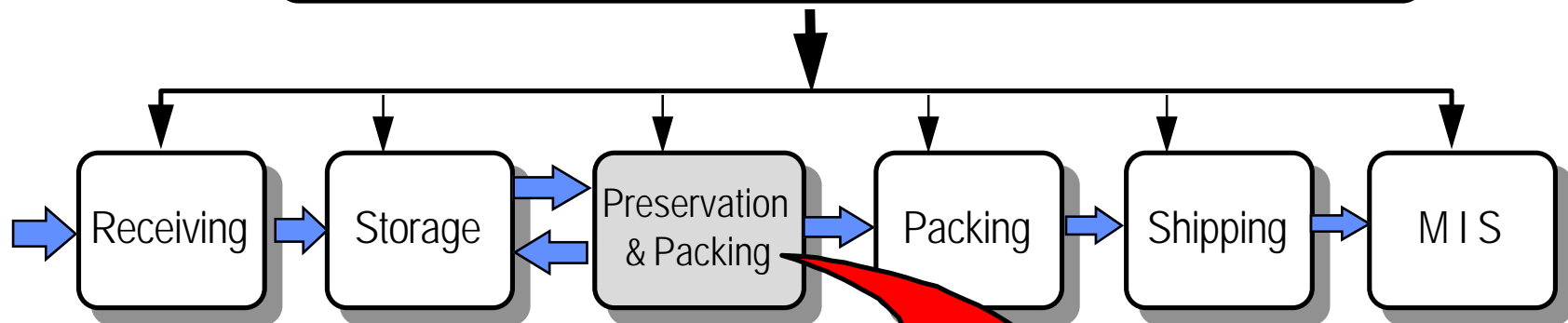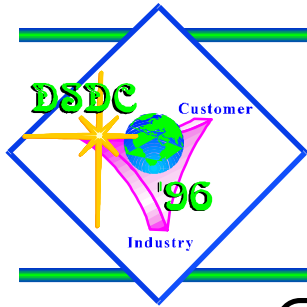
Preservation, Packaging, Packing, and Marking

- Incheck Material
  - Unpack and inspect
  - Initiate / review work order
  - Assemble materials
- Perform PPP&M Operations
  - Clean / preserve
  - Upgrade packaging
  - Mark / label
  - Foam-in-place
  - Form, fill & seal
  - FMS / heavy packaging
- Release Material
  - Inspect work
 - Route to next process

ctions

Packing Process

Production Planning & Control

Receiving → Storage → Pre... & → Packing → Shipping → MIS
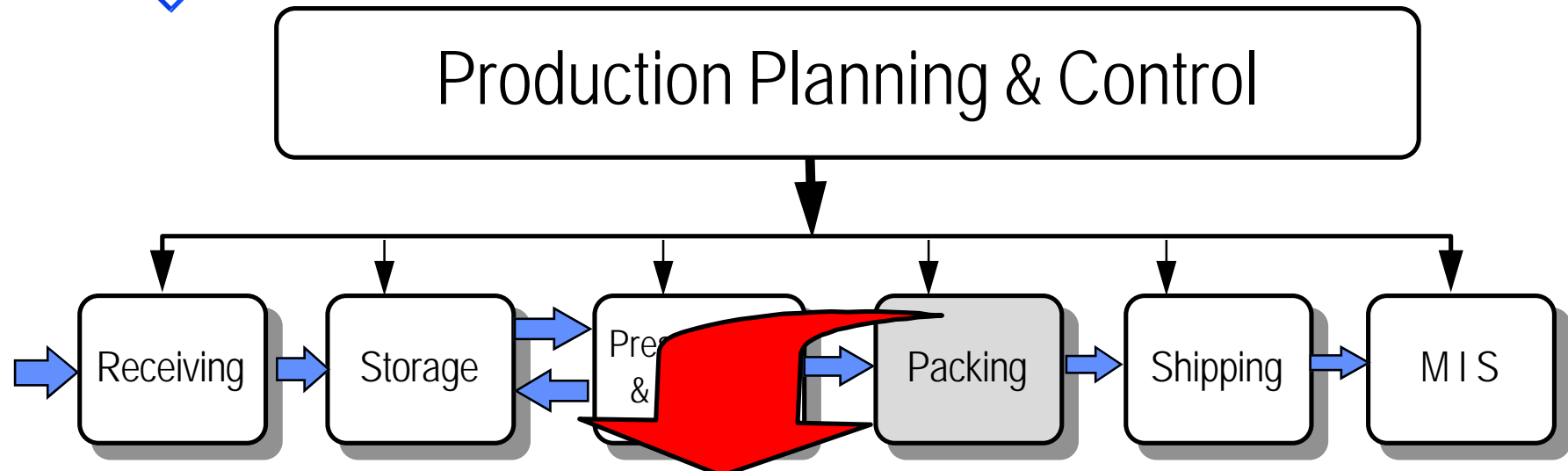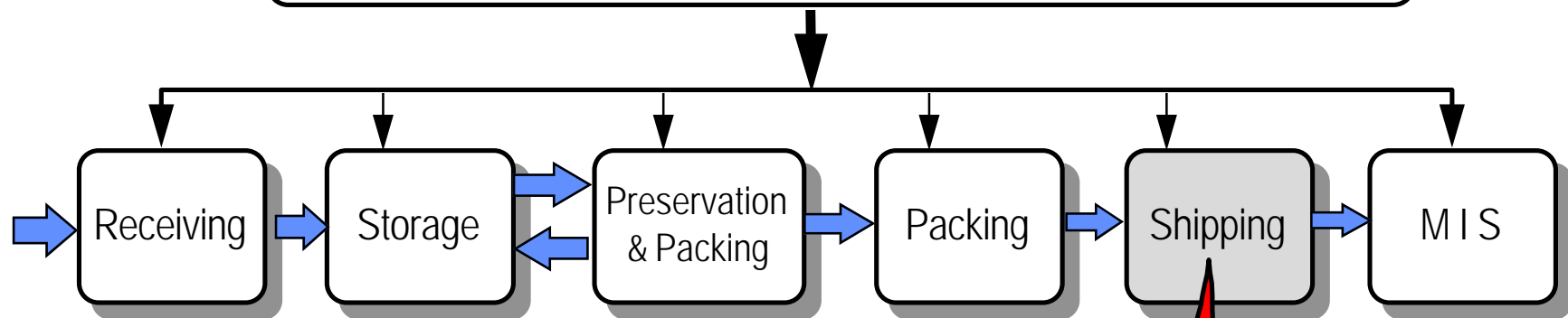
Packing

- Packing
  - Discrete
  - Continuous
  - Assemble materials
- Weigh and Label
  - Weigh & rate parcels
  - Dimension & weigh freight
  - Packing documentation
- Pallet Buildup
  - Consolidate
  - Dimension & weigh
  - Packing documentation

...ctions

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Shipping Process

Production Planning & Control

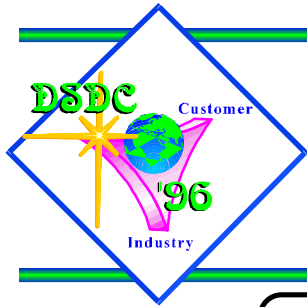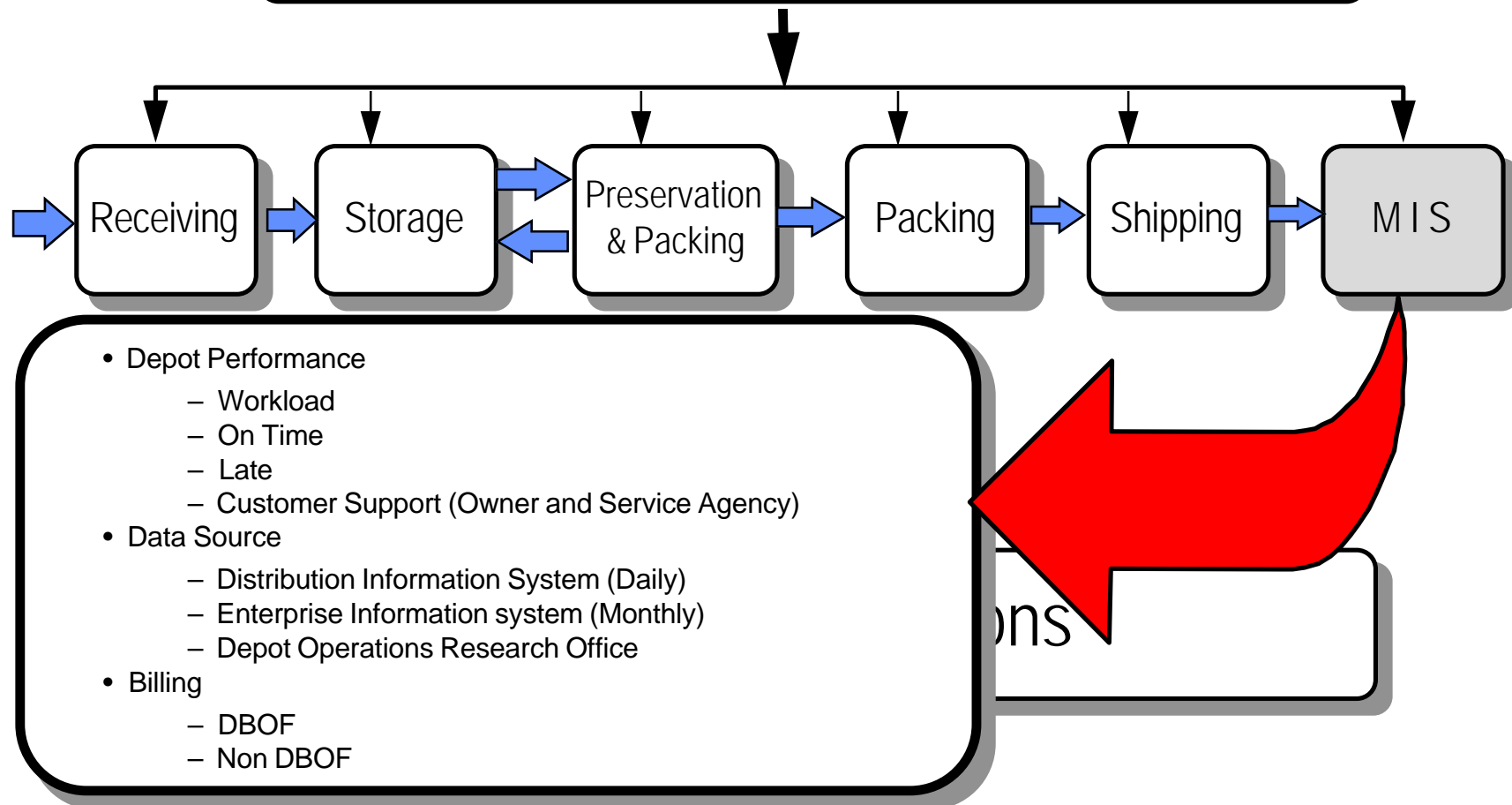| Receiving | Storage | Preservation & Packing | Packing | Shipping | M I S |
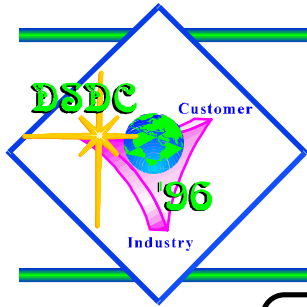
Shipping

- Outload
  - – Small parcel consolidation
  - – Freight consolidation
- Freight Release
  - – Vehicle Load Order
  - – Schedule vehicle
  - – Stage material
- Shipment
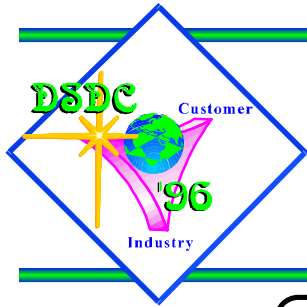 - – Load vehicle
  - – Prepare documentation
  - – Release vehicle

ctions

Management Information Process

Production Planning & Control

Receiving	Storage	Preservation & Packing	Packing	Shipping	MIS

- Depot Performance
  - Workload
  - On Time
  - Late
  - Customer Support (Owner and Service Agency)
- Data Source
  - Distribution Information System (Daily)
  - Enterprise Information system (Monthly)
  - Depot Operations Research Office
- Billing
  - DBOF
  - Non DBOF

Support Function Processes

Production Planning & Control

Receiving → Storage ⇄ Preservation & Packing → Packing → Shipping → M I S

Support Functions

- Unique Depot Missions
  - CCP
  - SEAVAN
- Special Material Fielding Plans
  - DEPMEDS
  - TPF
  - Quality Assurance
  - Truck Operations

Support Functions

Equipment Control System

Conveyor

DSS EQUIPMENT CONTROL SYSTEM (DSS-ECS)

Towline

Forklift

LOWER TIER

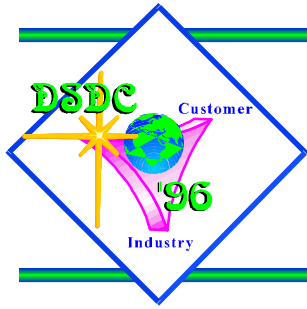Hybrid Vehicle
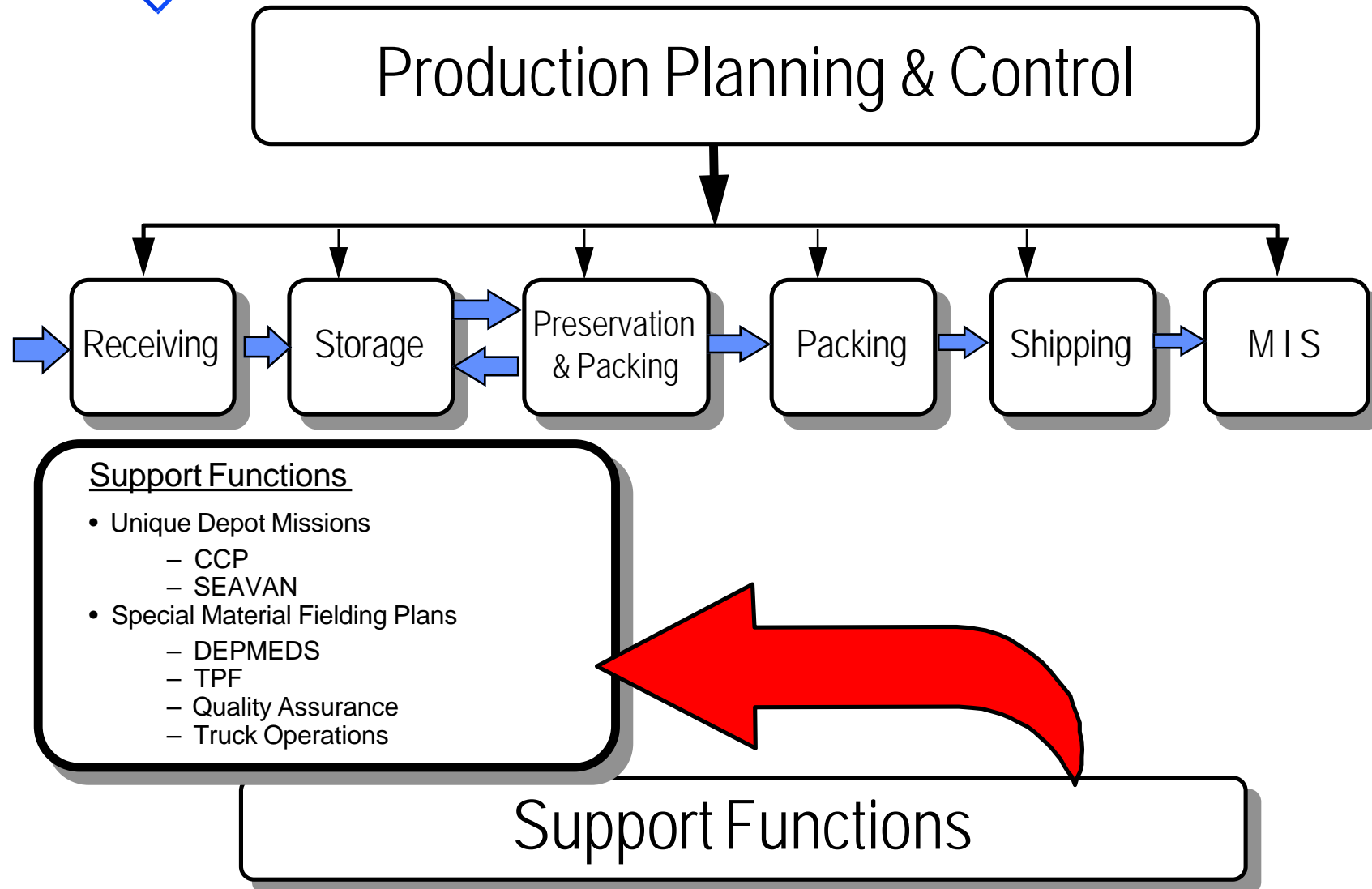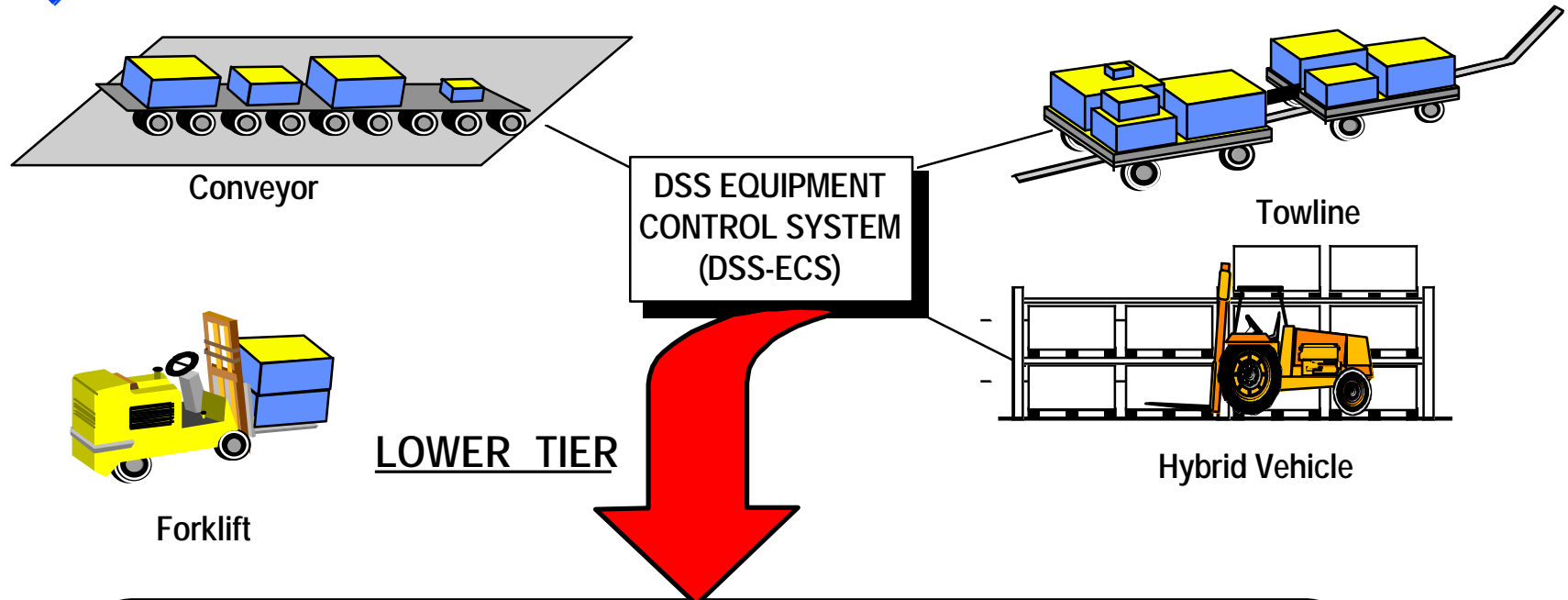
Standard Movement Message Generated from DSS Upper Tier
Pentium PC / Windows NT Network / Graphical User Interface
Translates Movement Requests into Hardware Specific Messages
Adaptable to Site Specific Hardware Configurations
Provides interface to Carousels, ASRS, Sortation, Conveyors, Towline, AGVS
Currently in the Development Phase

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DISTRIBUTION STANDARD SYSTEM

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